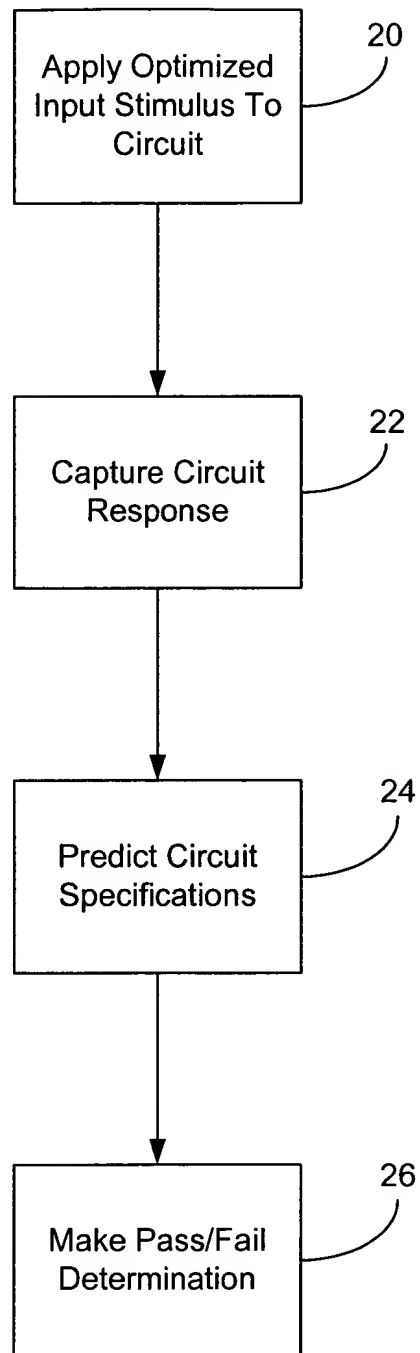
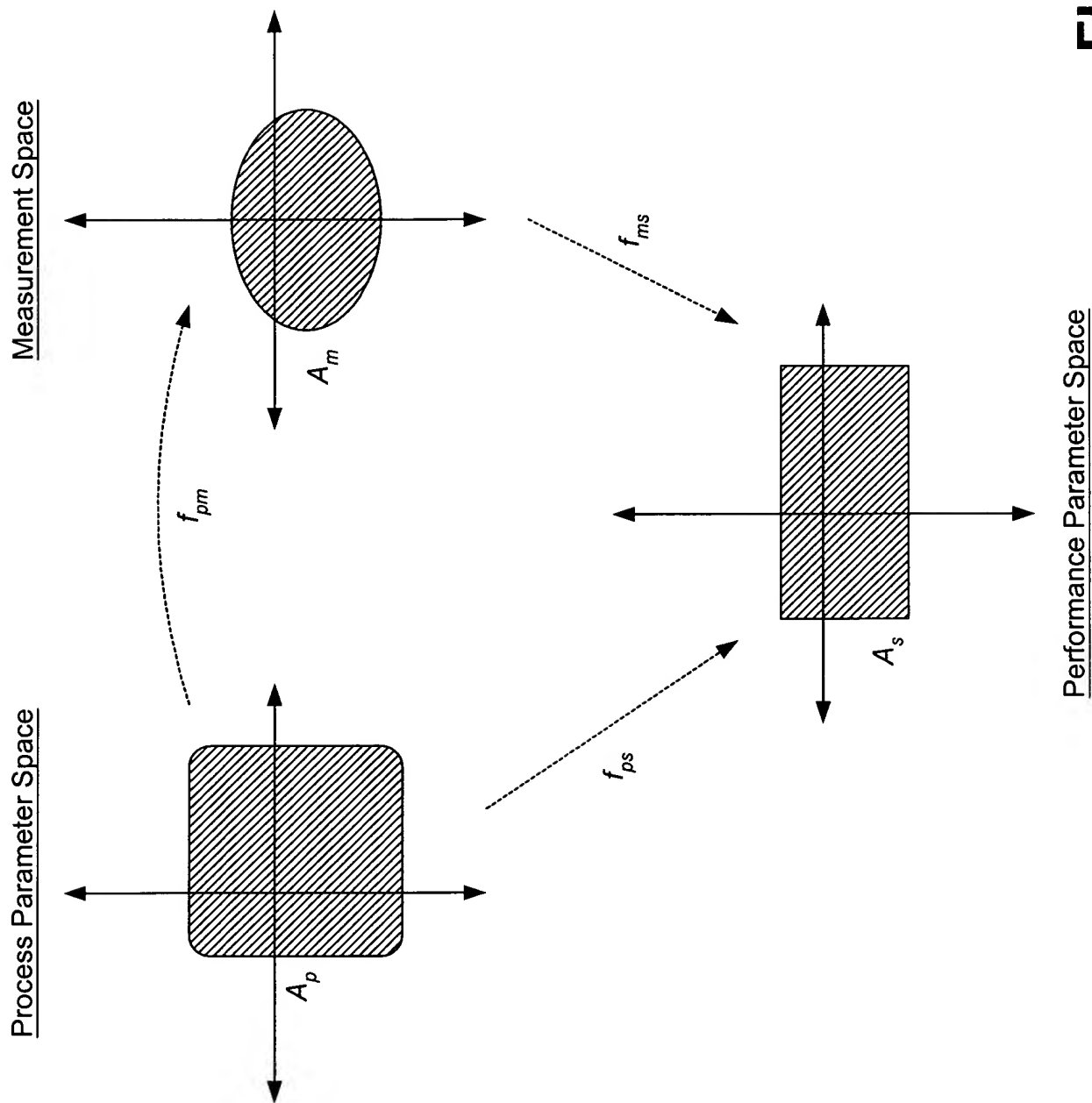


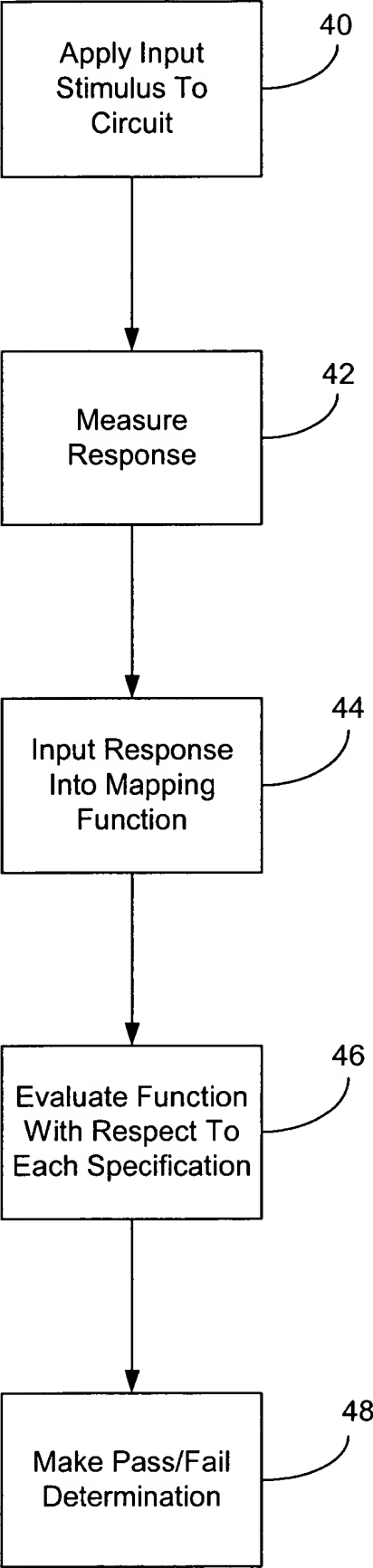
**FIG. 1**



**FIG. 2**



**FIG. 3**



**FIG. 4**

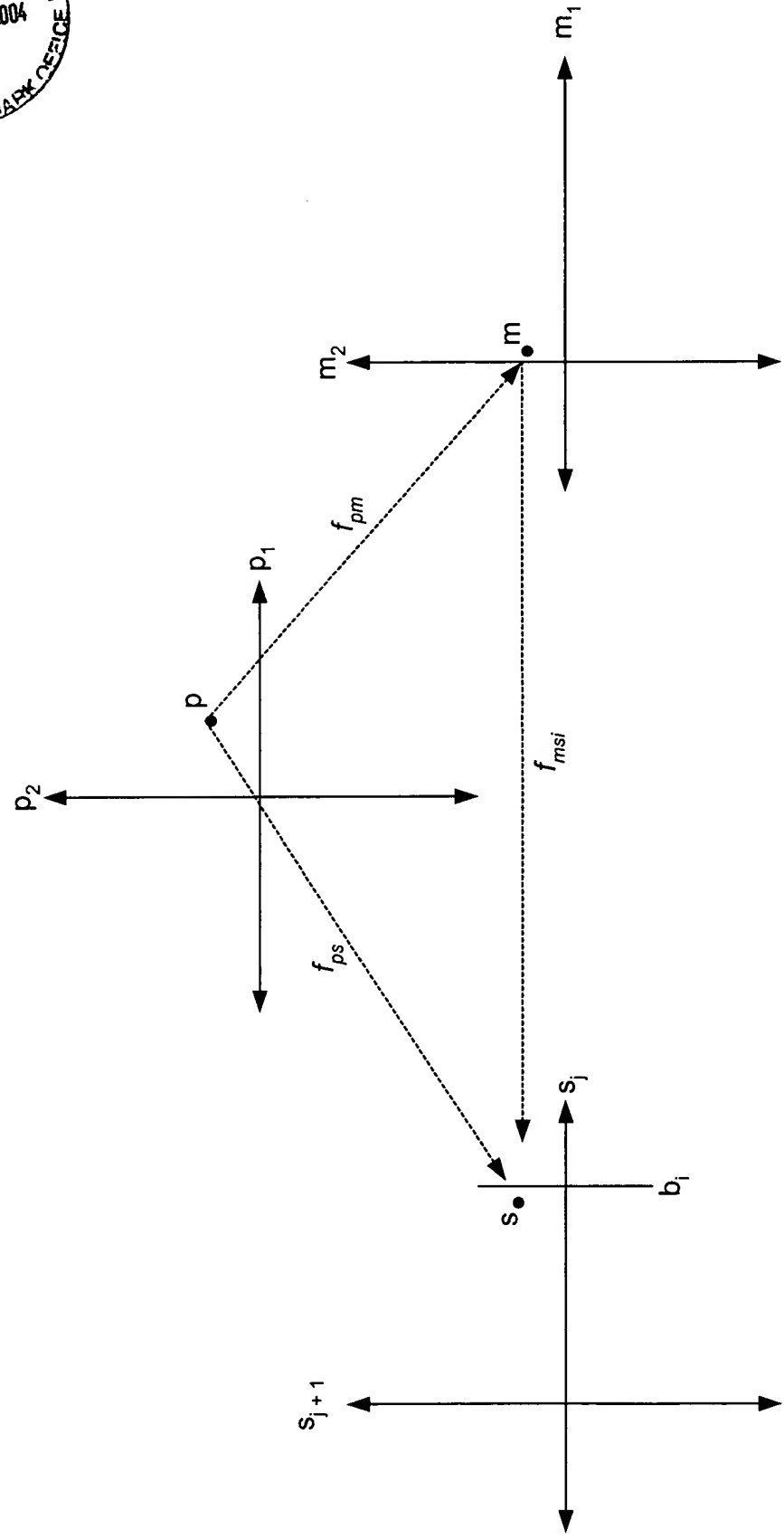
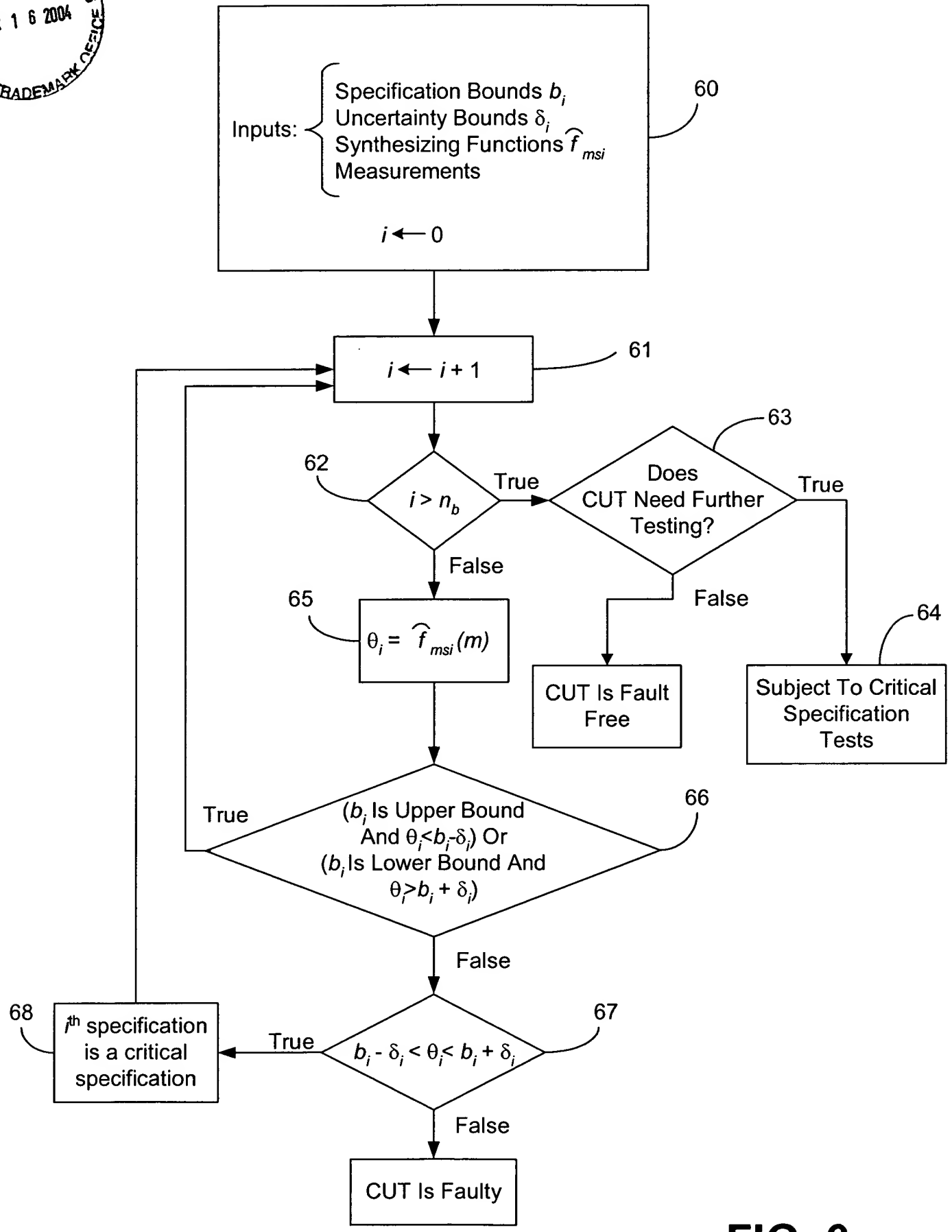
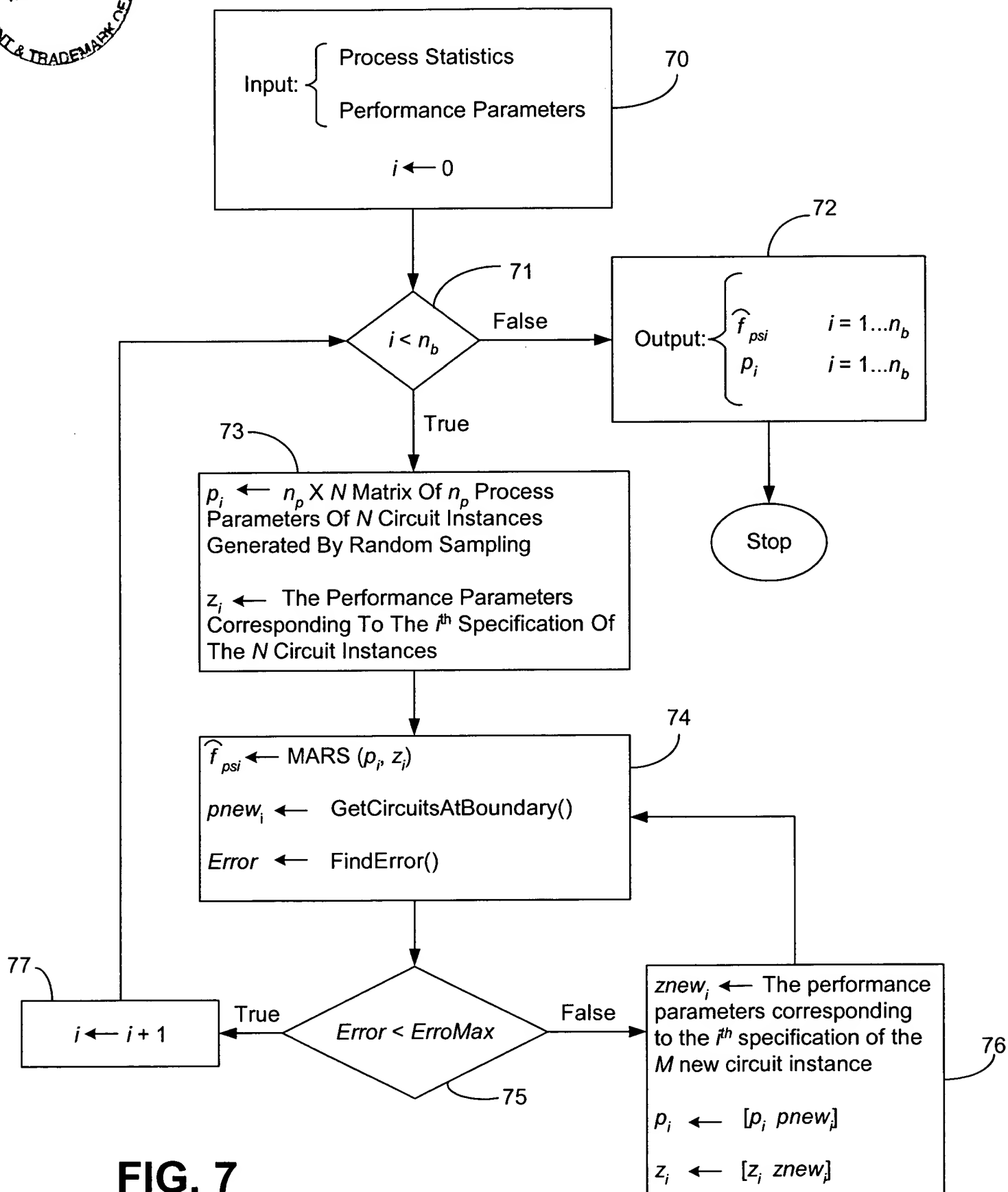


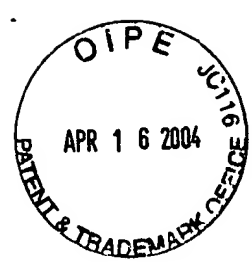
FIG. 5



**FIG. 6**



**FIG. 7**



Procedure OrderMeasurements

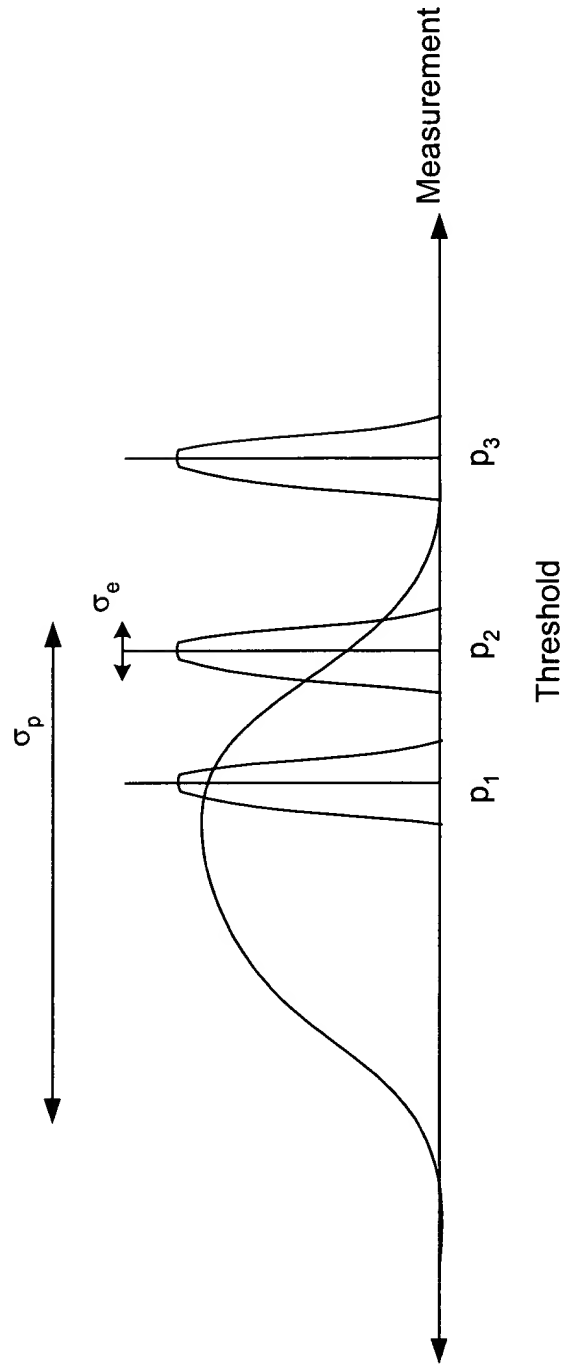
```
01 for each  $i^{th}$  single ended specification
02   for each measurement
03     remove the measurement from the list of independent variables
04     derive the synthesizing function using MARS. Use the training set generated by
GenerateTrainSet to train MARS
05     calculate the variance  $\sigma_{ei}^2$ 
06   end for
07   order the measurement in the ascending order of  $\sigma_{ei}^2$ 
08 end for
```

Procedure SelectMeasurements

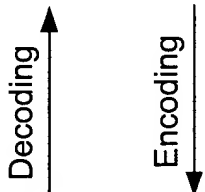
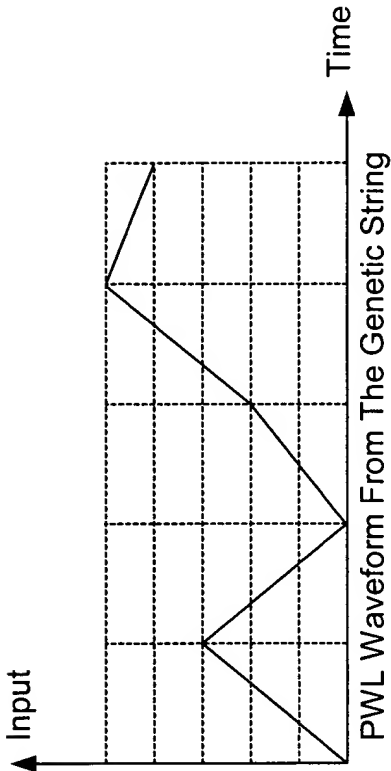
```
01 for each single ended specification
02   selected measurements =  $\varnothing$ 
03   repeat
04     add the measurement with lowest  $\sigma_{ei}^2$  to the set of selected measurements
    use the ordered list of measurements generated by OrderMeasurements
05     derive the synthesizing function with the selected set of measurements
06     calculate the variance  $\sigma_{ei}^2$ 
07     until  $\sigma_{ei}^2$  starts increasing
08   end for
```

**FIG. 8**





**FIG. 9**



|   |   |   |   |   |
|---|---|---|---|---|
| 3 | 0 | 2 | 5 | 4 |
|---|---|---|---|---|

String Of Length 5

FIG. 10

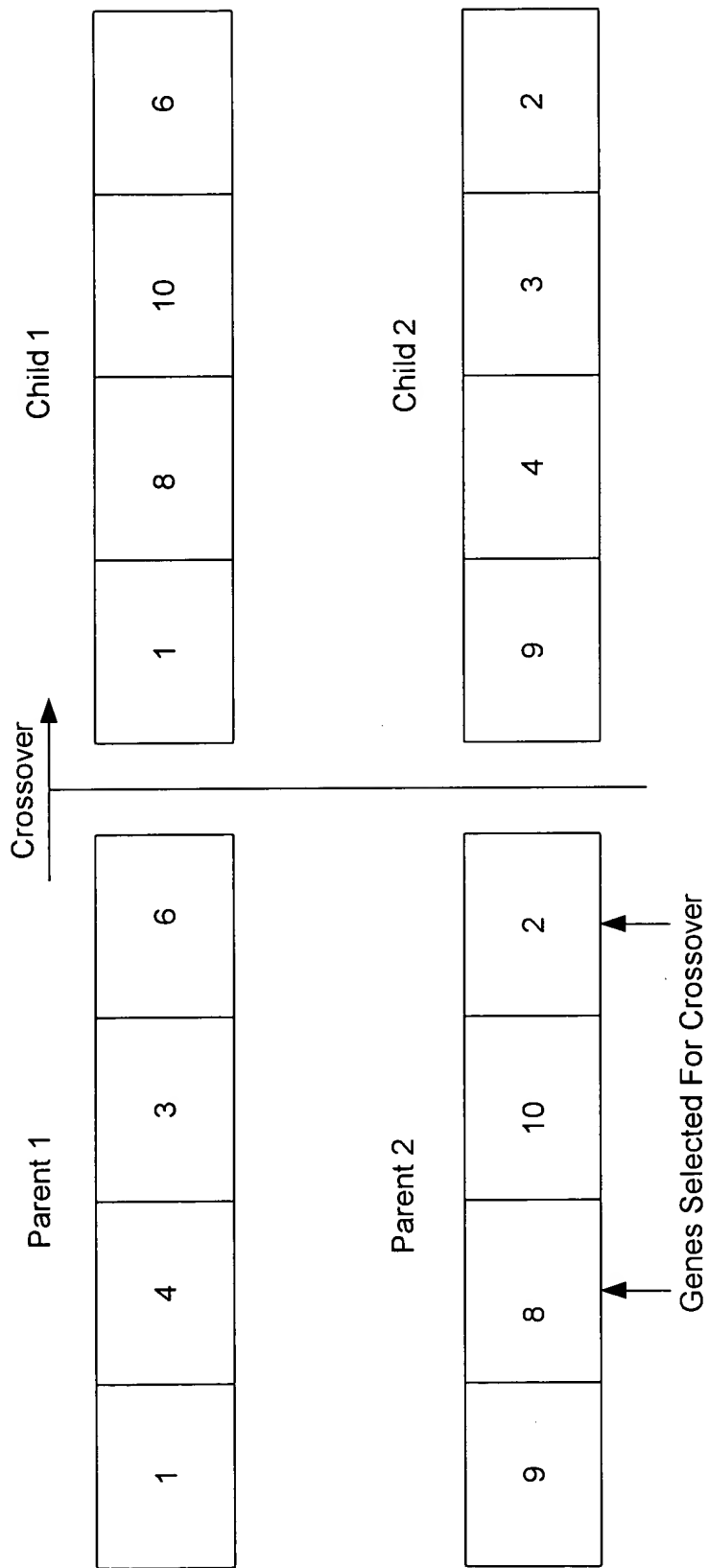


FIG. 11